



## SUBSTITUTE SHEET

### SEQUENCE LISTING

<110> Oxxon Therapeutics Limited

<120> RECOMBINANT POXVIRUS

<130> BWT-PT001.2

<140> 10/781,262

<141> 2004-02-18

<150> US 10/047,761

<151> 2002-01-15

<150> US 09/367,781

<151> 1999-11-22

<150> PCT/GB98/00569

<151> 1998-02-23

<150> GB 9800113.4

<151> 1998-01-05

<150> GB 9703592.7

<151> 1997-02-21

<160> 3

<170> PatentIn version 3.3

<210> 1

<211> 897

<212> DNA

<213> Vaccinia virus

<400> 1

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atgtactcgt tagtatttgt tattttgatg tgtataccat ttagttttca aacagtgtat	180
gatgataaat cggtatgcga ttctgacaat aaagaatata tgggaataga agtttatgta	240
gaagcaacgc tagacgaacc cctcagacaa acaacgtgtg aatccaaaat ccataaatat	300
ggtgcatctg tatcaaacgg aggattaaat atttctgttg atctattaaa ctgttttctt	360
aattttcata cagttggtgt atacactaat cgcgataccg tatacgcgaa gtttgctagt	420
ttggatccat ggactacgga acctataaat tctatgaccc atgacgatct agtaaaaatta	480
acagaagaat gtatagtgga cattttattta aaatgtgaag tggataaaaac aaaggatttc	540

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atgaaaacta acggtaatag attaaaacca agagacttta aaactgttcc tccttctaata 600
gtaggaagca tgatagaact acagtctgac tattgcgtaa acgatgtgac tacatacgtc 660
aaaatatacg atgagtgtgg aaacattaaa cagcattcca ttccaacact aagagattat 720
tttaccacca agaatgggtca accacgtaaa atattaaaga aaaaatttga taattgttaa 780
ttgttatttt tataaaaaaca agaacgggtac ggcgatatatt attttttttct aaaacatcta 840
accgaagtag tggtatgata aaaatgtagt gtaattgtta tatagtgtaa cacgaat 897

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<210> 2
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<212> PRT
<213> Vaccinia virus

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<400> 2

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Met Tyr Ser Leu Val Phe Val Ile Leu Met Cys Ile Pro Phe Ser Phe
1          5          10          15

```

```

Gln Thr Val Tyr Asp Asp Lys Ser Val Cys Asp Ser Asp Asn Lys Glu
          20          25          30

```

```

Tyr Met Gly Ile Glu Val Tyr Val Glu Ala Thr Leu Asp Glu Pro Leu
          35          40          45

```

```

Arg Gln Thr Thr Cys Glu Ser Lys Ile His Lys Tyr Gly Ala Ser Val
          50          55          60

```

```

Ser Asn Gly Gly Leu Asn Ile Ser Val Asp Leu Leu Asn Cys Phe Leu
65          70          75          80

```

```

Asn Phe His Thr Val Gly Val Tyr Thr Asn Arg Asp Thr Val Tyr Ala
          85          90          95

```

```

Lys Phe Ala Ser Leu Asp Pro Trp Thr Thr Glu Pro Ile Asn Ser Met
          100          105          110

```

```

Thr His Asp Asp Leu Val Lys Leu Thr Glu Glu Cys Ile Val Asp Ile
          115          120          125

```

```

Tyr Leu Lys Cys Glu Val Asp Lys Thr Lys Asp Phe Met Lys Thr Asn
          130          135          140

```

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Gly Asn Arg Leu Lys Pro Arg Asp Phe Lys Thr Val Pro Pro Ser Asn  
 145 150 155 160

Val Gly Ser Met Ile Glu Leu Gln Ser Asp Tyr Cys Val Asn Asp Val  
 165 170 175

Thr Thr Tyr Val Lys Ile Tyr Asp Glu Cys Gly Asn Ile Lys Gln His  
 180 185 190

Ser Ile Pro Thr Leu Arg Asp Tyr Phe Thr Thr Lys Asn Gly Gln Pro  
 195 200 205

Arg Lys Ile Leu Lys Lys Lys Phe Asp Asn Cys  
 210 215

<210> 3  
 <211> 258  
 <212> PRT  
 <213> Vaccinia virus

<400> 3

Met Lys Gln Tyr Ile Val Leu Ala Cys Met Cys Leu Ala Ala Ala Ala  
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Met Pro Ala Ser Leu Gln Gln Ser Ser Ser Ser Ser Ser Cys Thr  
 20 25 30

Glu Glu Glu Asn Lys His His Met Gly Ile Asp Val Ile Ile Lys Val  
 35 40 45

Thr Lys Gln Asp Gln Thr Pro Thr Asn Asp Lys Ile Cys Gln Ser Val  
 50 55 60

Thr Glu Ile Thr Glu Ser Glu Ser Asp Pro Asp Pro Glu Val Glu Ser  
 65 70 75 80

Glu Asp Asp Ser Thr Ser Val Glu Asp Val Asp Pro Pro Thr Thr Tyr  
 85 90 95

Tyr Ser Ile Ile Gly Gly Gly Leu Arg Met Asn Phe Gly Phe Thr Lys

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100

105

110

Cys Pro Gln Ile Lys Ser Ile Ser Glu Ser Ala Asp Gly Asn Thr Val  
115 120 125

Asn Ala Arg Leu Ser Ser Val Ser Pro Gly Gln Gly Lys Asp Ser Pro  
130 135 140

Ala Ile Thr Arg Glu Glu Ala Leu Ala Met Ile Lys Asp Cys Glu Val  
145 150 155 160

Ser Ile Asp Ile Arg Cys Ser Glu Glu Glu Lys Asp Ser Asp Ile Lys  
165 170 175

Thr His Pro Val Leu Gly Ser Asn Ile Ser His Lys Lys Val Ser Tyr  
180 185 190

Glu Asp Ile Ile Gly Ser Thr Ile Val Asp Thr Lys Cys Val Lys Asn  
195 200 205

Leu Glu Phe Ser Val Arg Ile Gly Asp Met Cys Lys Glu Ser Ser Glu  
210 215 220

Leu Glu Val Lys Asp Gly Phe Lys Tyr Val Asp Gly Ser Ala Ser Glu  
225 230 235 240

Gly Ala Thr Asp Asp Thr Ser Leu Ile Asp Ser Thr Lys Leu Lys Ala  
245 250 255

Cys Val